

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P257448

Luminaire Tested: **D3X-WG-35L840-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-35L840-LD5-UNV-14-T1-STD  
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (112) 4000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3519.4 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

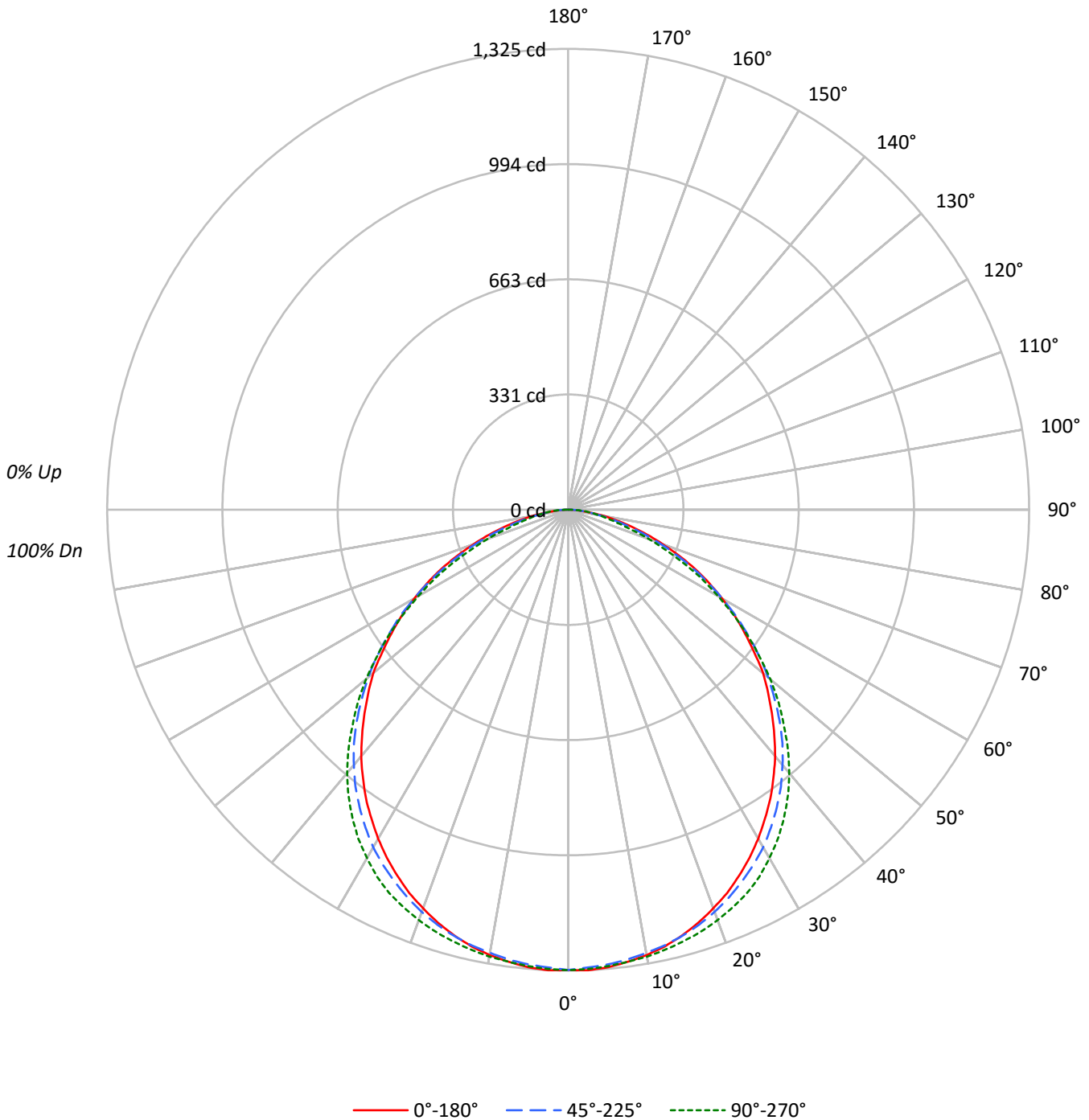
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3562	3562	3562
5°	3567	3546	3558
10°	3552	3535	3565
15°	3529	3534	3578
20°	3493	3524	3596
25°	3449	3505	3612
30°	3394	3482	3594
35°	3329	3433	3552
40°	3251	3367	3472
45°	3150	3270	3336
50°	3064	3143	3176
55°	2909	2968	2953
60°	2753	2753	2676
65°	2555	2495	2355
70°	2266	2167	1957
75°	1964	1783	1506
80°	1610	1390	1365
85°	1068	1263	1362



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.1	3.6
10°-20°	359.2	10.2
20°-30°	546.0	15.5
30°-40°	653.7	18.6
40°-50°	659.3	18.7
50°-60°	561.6	16.0
60°-70°	384.0	10.9
70°-80°	183.9	5.2
80°-90°	46.6	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1030.3	29.3
0°-40°	1684.0	47.8
0°-60°	2904.9	82.5
0°-90°	3519.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3519.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1320	1319	1313	1319	1317	125
15°	1267	1264	1268	1283	1284	357
25°	1162	1163	1180	1207	1217	535
35°	1014	1017	1045	1075	1081	633
45°	828	834	859	877	877	639
55°	620	623	633	634	630	555
65°	401	394	392	378	370	396
75°	189	186	172	150	145	202
85°	35	38	41	42	44	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1323.6	1323.6	1323.6	1323.6	1323.6
2.5°	1325.2	1323.6	1317.3	1323.6	1322.0
5°	1320.4	1318.9	1312.6	1318.9	1317.3
7.5°	1311.0	1309.4	1304.7	1311.0	1311.0
10°	1300.0	1296.8	1293.7	1303.1	1304.7
12.5°	1285.8	1282.7	1282.7	1293.7	1295.3
15°	1266.9	1263.8	1268.5	1282.7	1284.2
17.5°	1244.9	1243.3	1251.2	1268.5	1271.7
20°	1219.7	1218.1	1230.7	1251.2	1255.9
22.5°	1193.0	1193.0	1207.1	1230.7	1237.0
25°	1161.5	1163.1	1180.4	1207.1	1216.6
27.5°	1128.4	1131.6	1152.0	1181.9	1189.8
30°	1092.2	1097.0	1120.6	1148.9	1156.8
32.5°	1052.9	1057.6	1084.4	1114.3	1122.1
35°	1013.5	1016.7	1045.0	1074.9	1081.2
37.5°	969.5	974.2	1004.1	1030.9	1037.2
40°	925.4	930.1	958.5	983.6	988.4
42.5°	876.6	882.9	911.2	931.7	934.9
45°	827.8	834.1	859.3	876.6	876.6
47.5°	779.0	782.2	804.2	821.5	820.0
50°	731.8	730.3	750.7	758.6	758.6
52.5°	673.6	678.3	692.5	697.2	692.5
55°	620.1	623.2	632.7	634.3	629.5
57.5°	568.2	566.6	574.4	569.7	563.4
60°	511.5	511.5	511.5	506.8	497.3
62.5°	456.4	453.3	451.7	440.7	435.9
65°	401.3	393.5	391.9	377.7	369.8
67.5°	343.1	339.9	332.1	317.9	303.7
70°	288.0	284.9	275.4	258.1	248.7
72.5°	237.6	234.5	221.9	201.4	188.9
75°	188.9	185.7	171.5	149.5	144.8
77.5°	143.2	141.6	127.5	116.5	114.9
80°	103.9	102.3	89.7	89.7	88.1
82.5°	66.1	66.1	63.0	64.5	66.1
85°	34.6	37.8	40.9	42.5	44.1
87.5°	11.0	17.3	20.5	22.0	20.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)